Matter No.: 17315-002002 Page 1 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

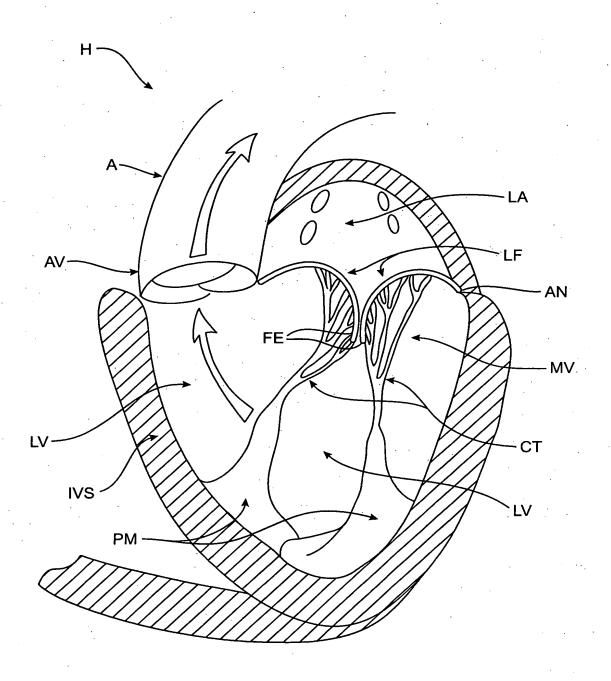


FIG. 1

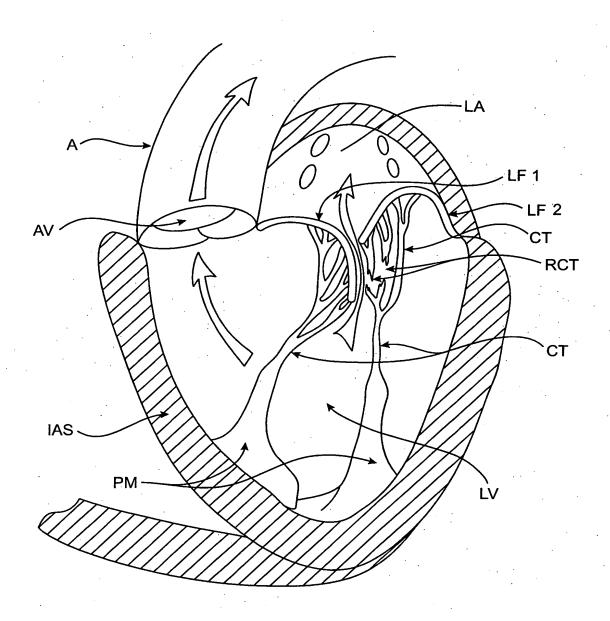


FIG. 2

Matter No.: 17315-002002 Page 3 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

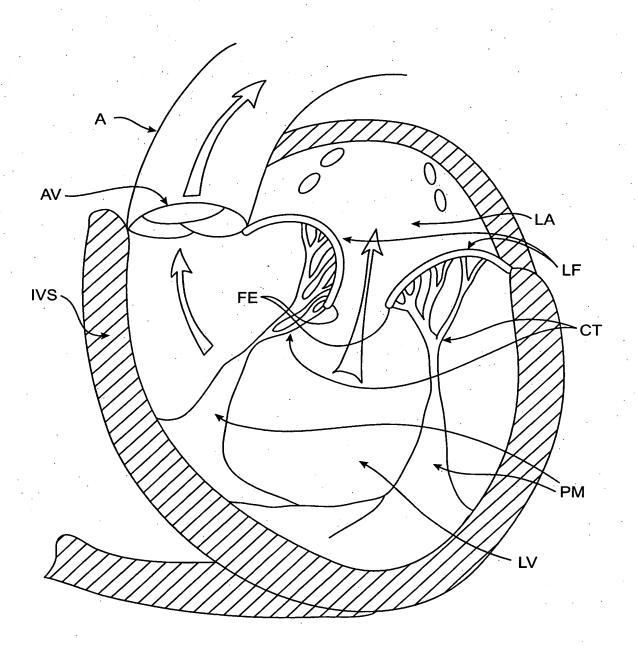


FIG. 3

Matter No.: 17315-002002 Page 4 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

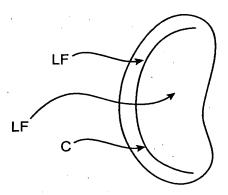


FIG. 3A

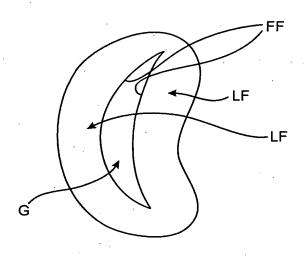


FIG. 3B

Matter No.: 17315-002002 Page 5 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

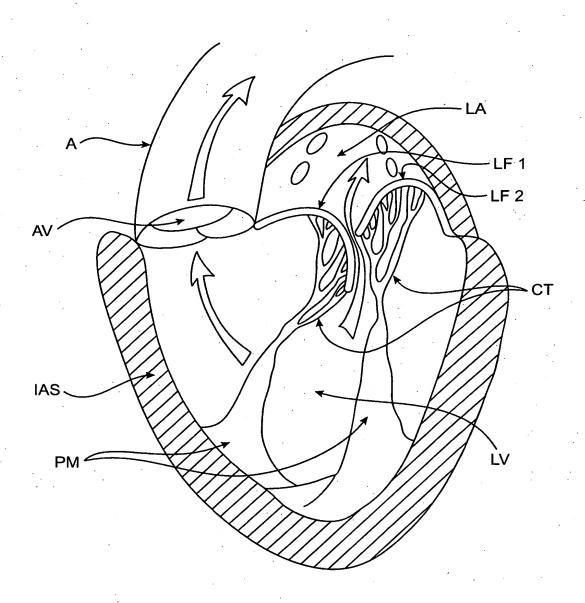


FIG. 4

Matter No.: 17315-002002 Page 6 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

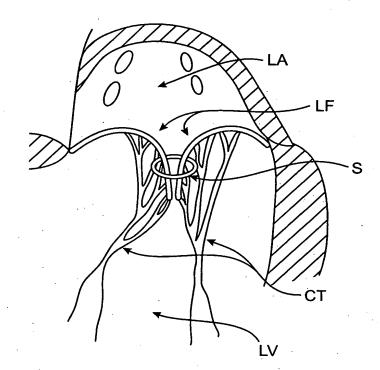


FIG. 5

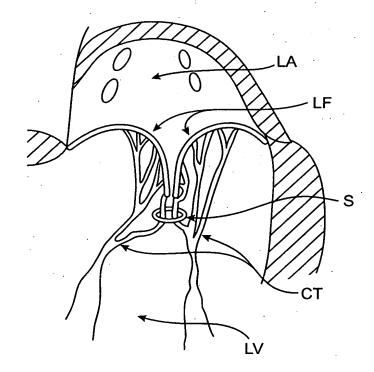


FIG. 6

Matter No.: 17315-002002 Page 7 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

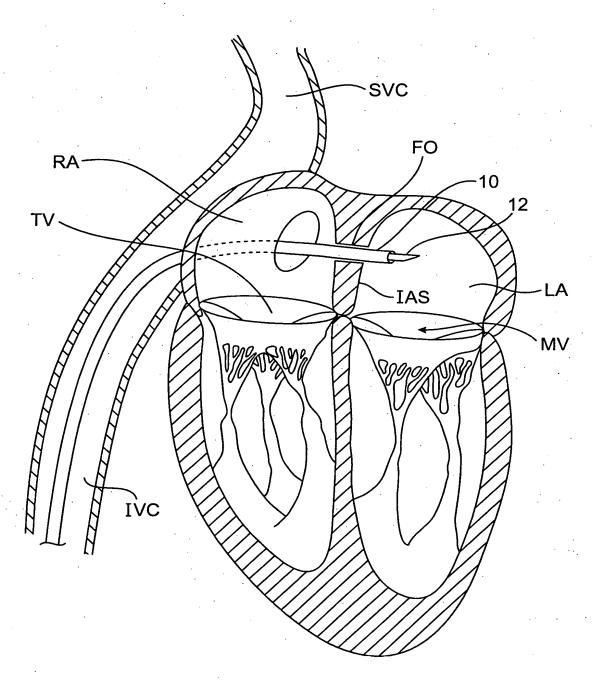


FIG. 7



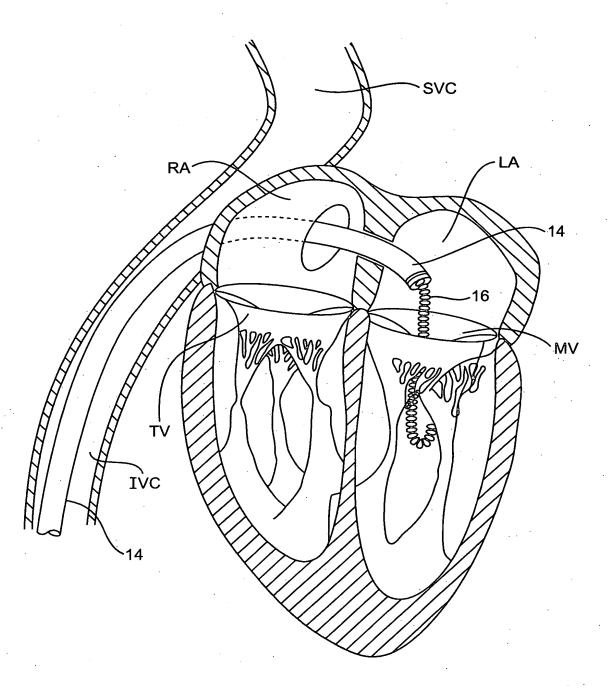
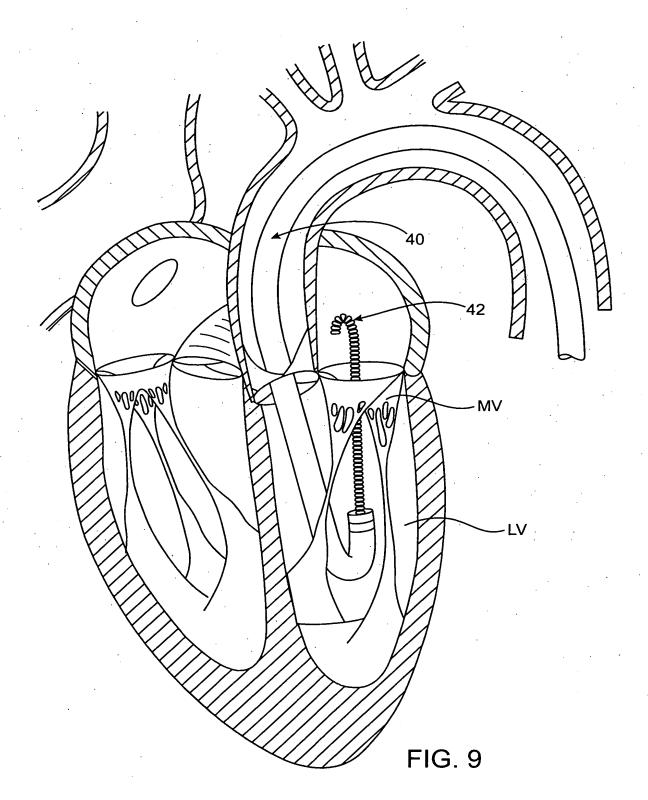


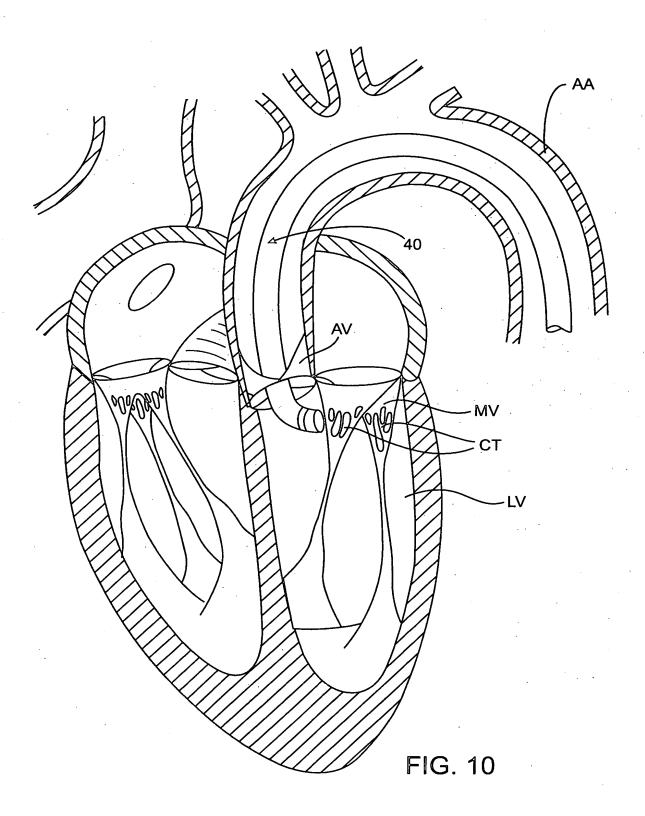
FIG. 8

Matter No.: 17315-002002 Page 9 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

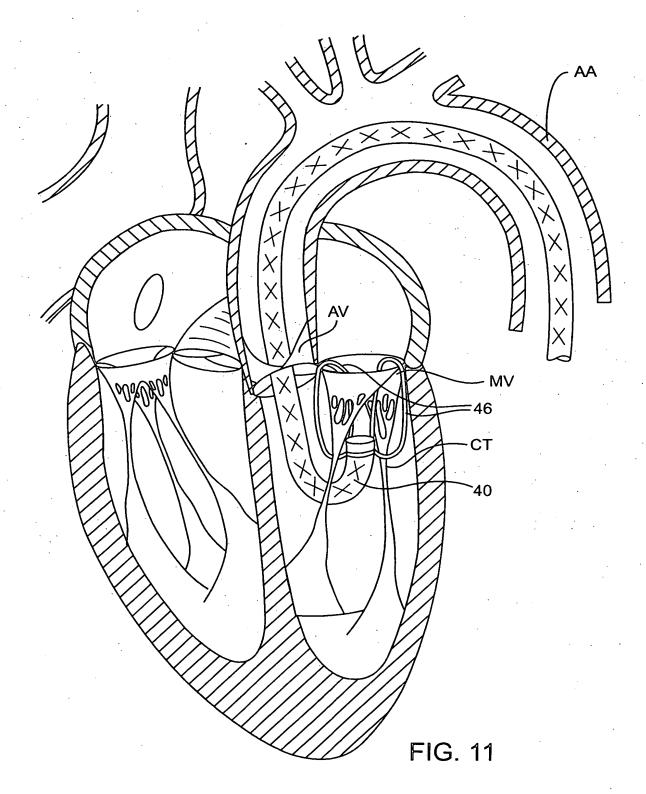




Matter No.: 17315-002002 Page 10 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

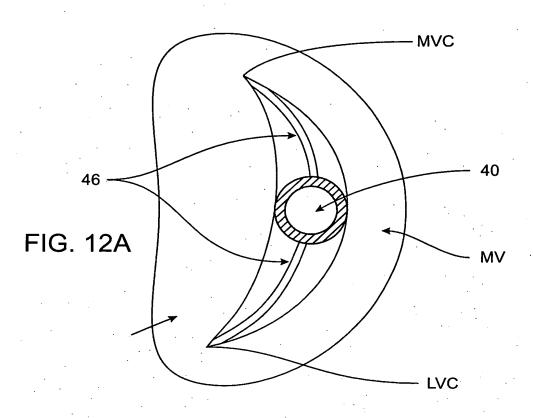


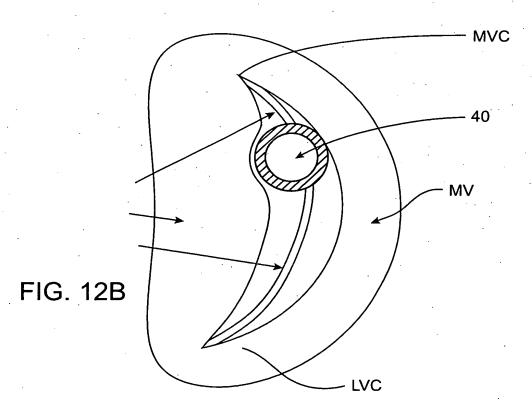
Matter No.: 17315-002002 Page 11 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR



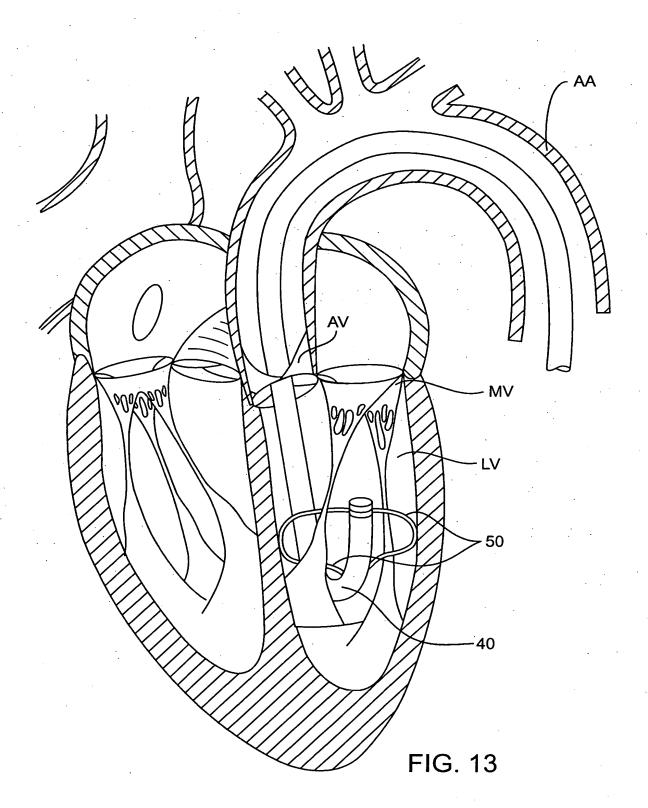
Matter No.: 17315-002002 Page 12 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

12 / 84



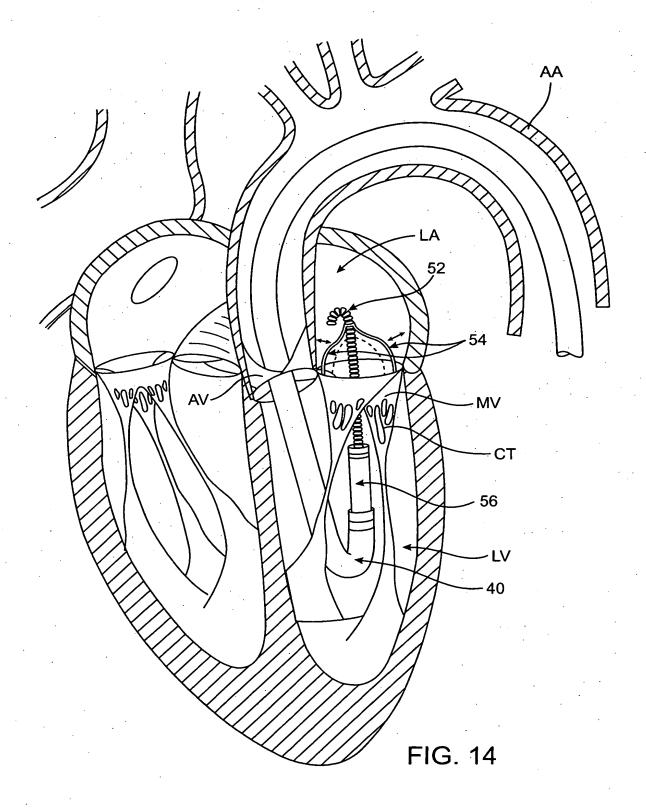


Matter No.: 17315-002002 Page 13 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

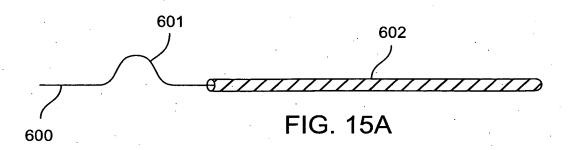


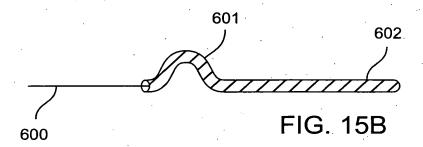
+

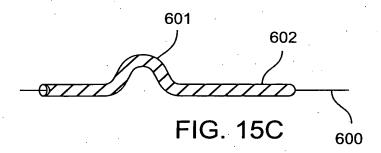
Matter No.: 17315-002002 Page 14 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

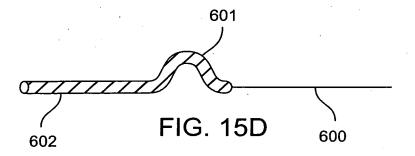


Matter No.: 17315-002002 Page 15 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR









Matter No.: 17315-002002 Page 16 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

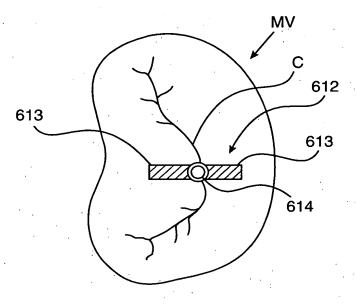


FIG. 16

Matter No.: 17315-002002 Page 17 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

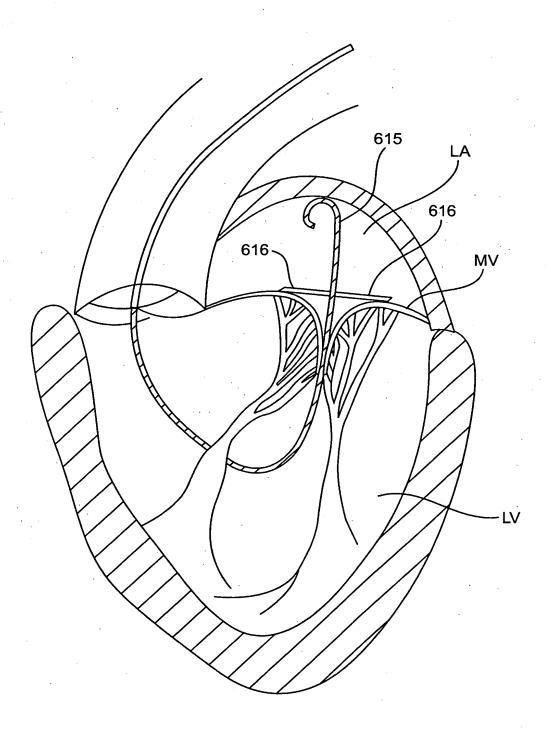


FIG. 17

Matter No.: 17315-002002 Page 18 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

18 / 84

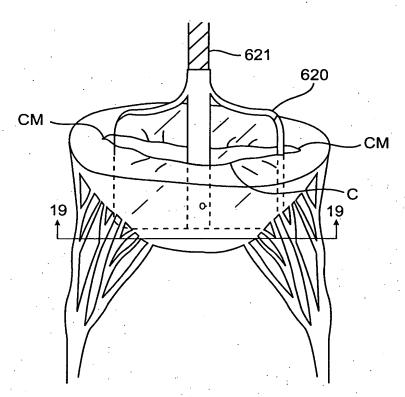
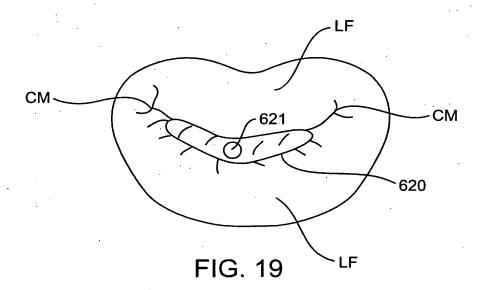


FIG. 18





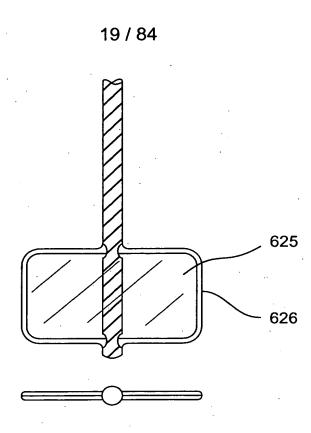


FIG. 20

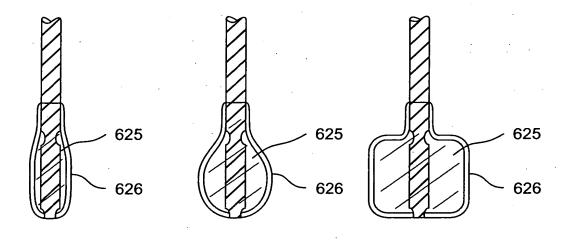


FIG. 21A

FIG. 21B

FIG. 21C

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Matter No.: 17315-002002 Page 20 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

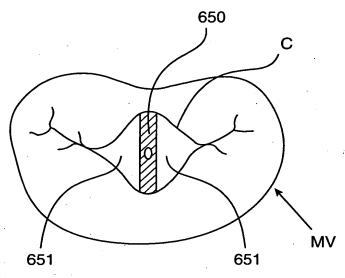


FIG. 22A

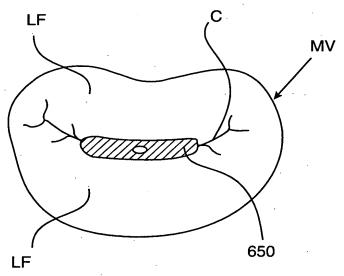


FIG. 22B

Matter No.: 17315-002002 Page 21 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

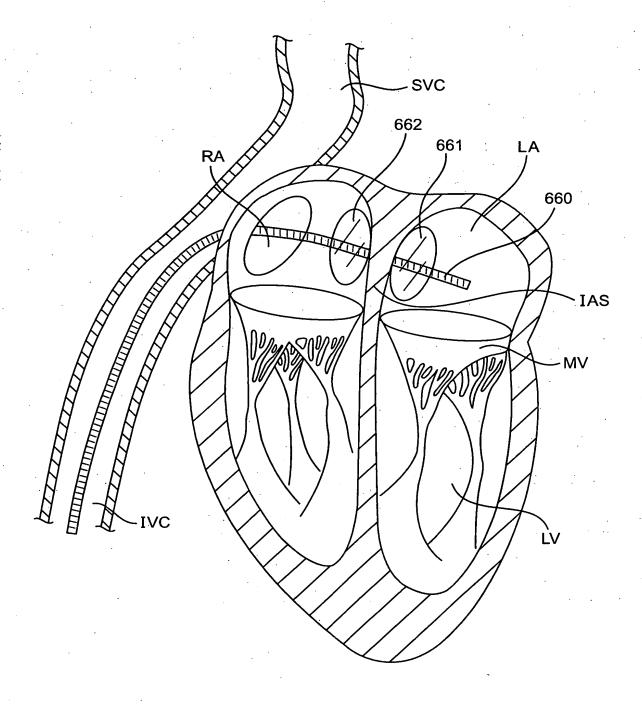


FIG. 23

Matter No.: 17315-002002 Page 22 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

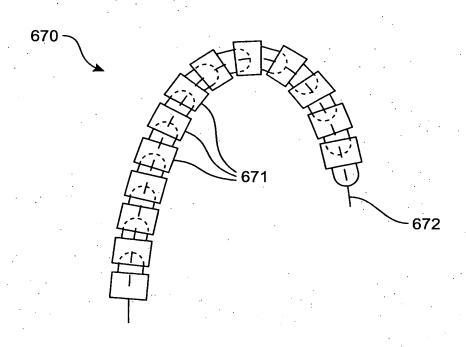


FIG. 24

Matter No.: 17315-002002 Page 23 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

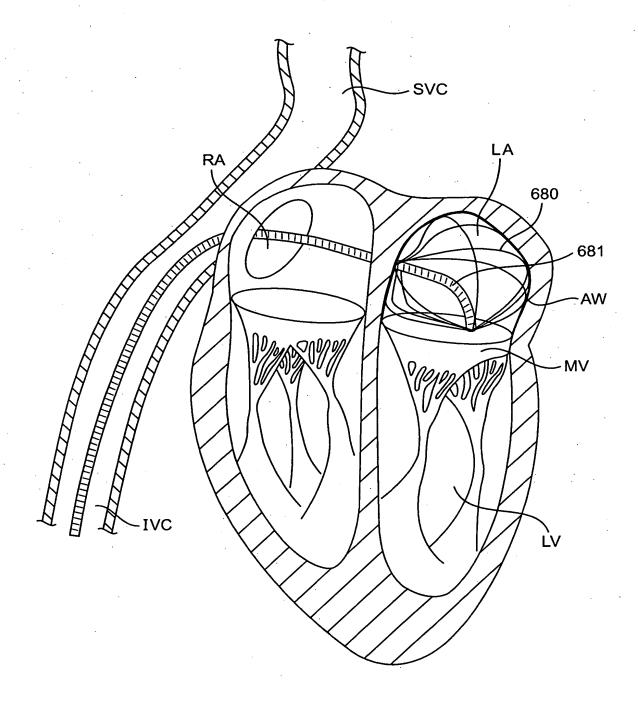


FIG. 25

Matter No.: 17315-002002 Page 24 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

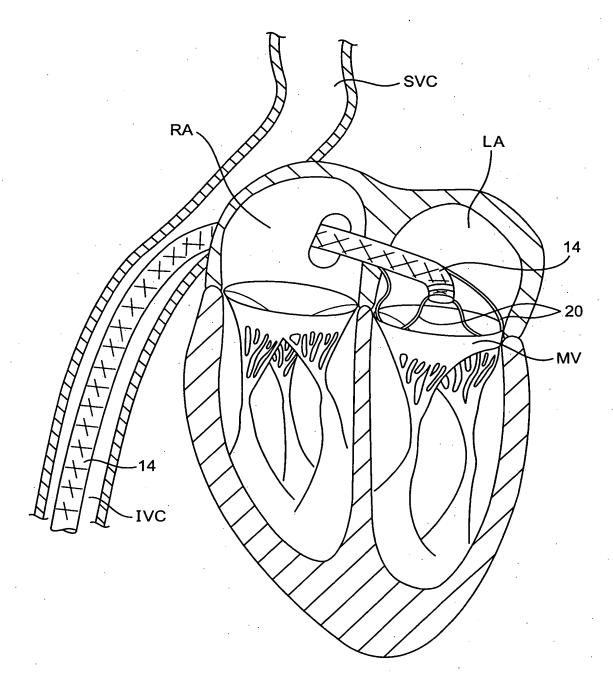


FIG. 26

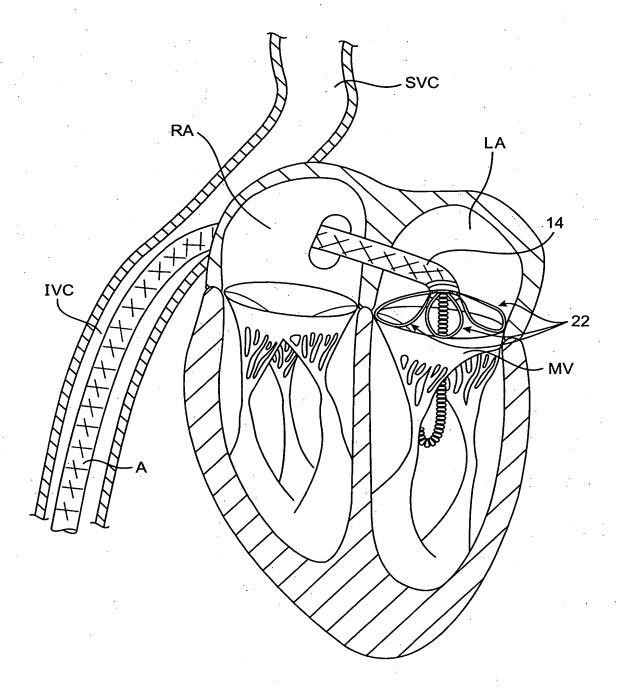


FIG. 27

Matter No.: 17315-002002 Page 26 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

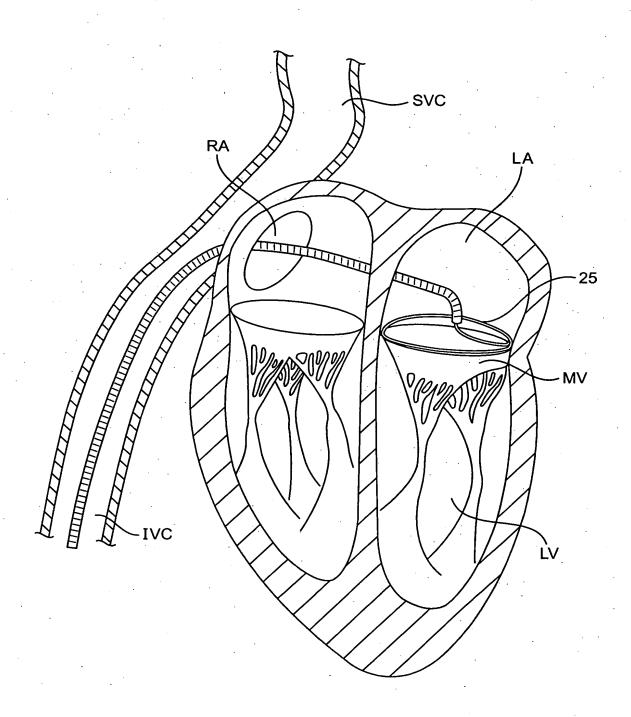


FIG. 28

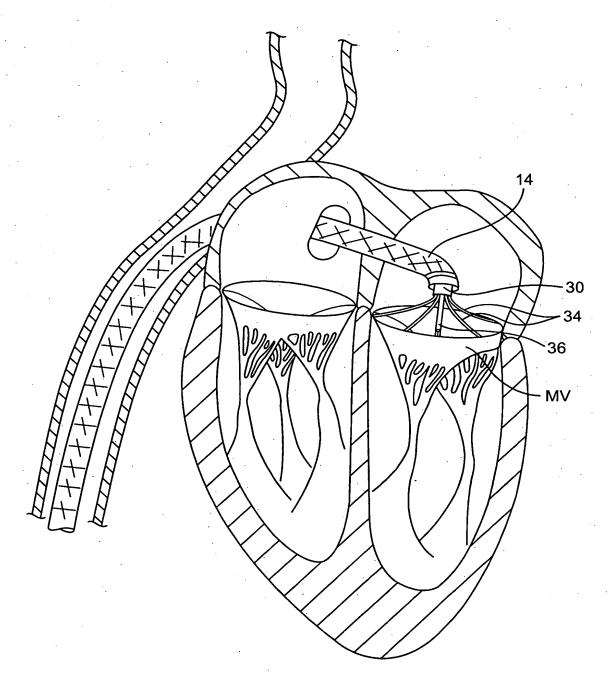


FIG. 29

Matter No.: 17315-002002 Page 28 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

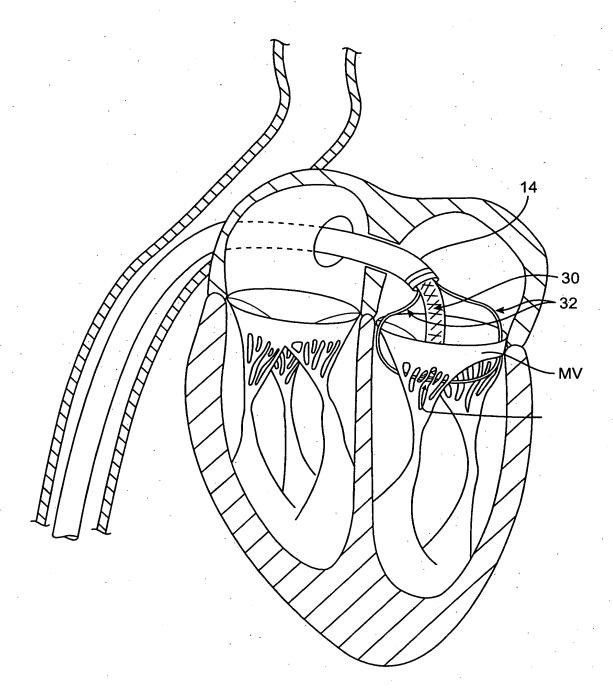
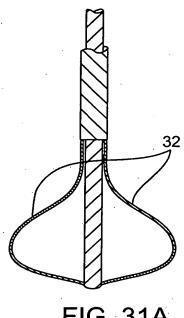
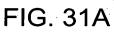


FIG. 30





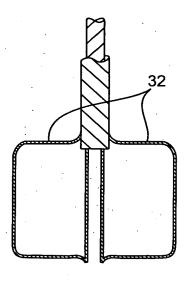
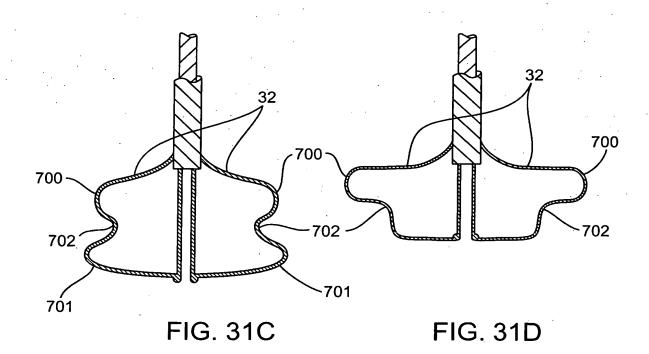


FIG. 31B



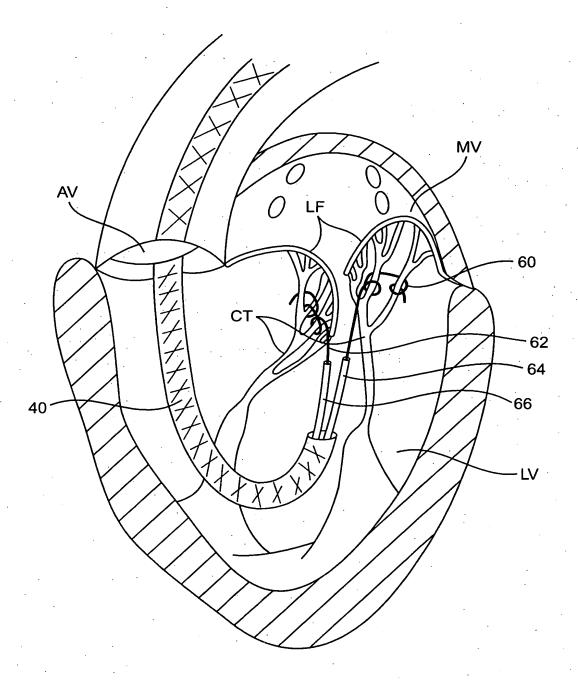


FIG. 32A

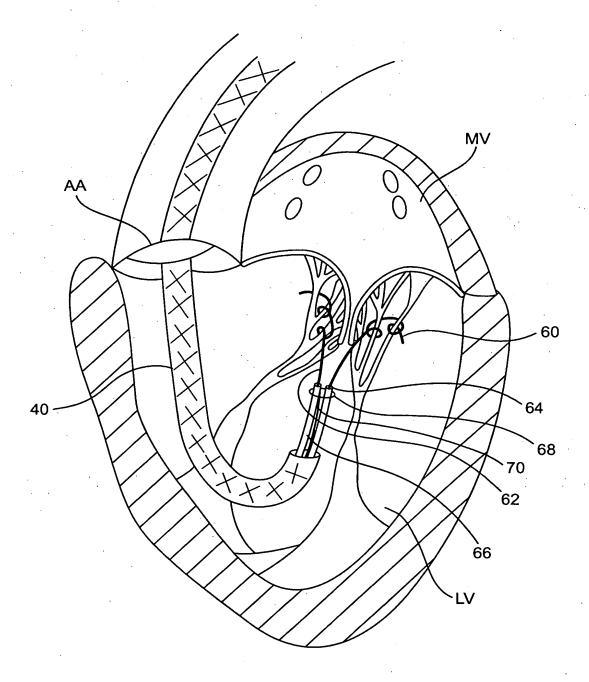


FIG. 32B

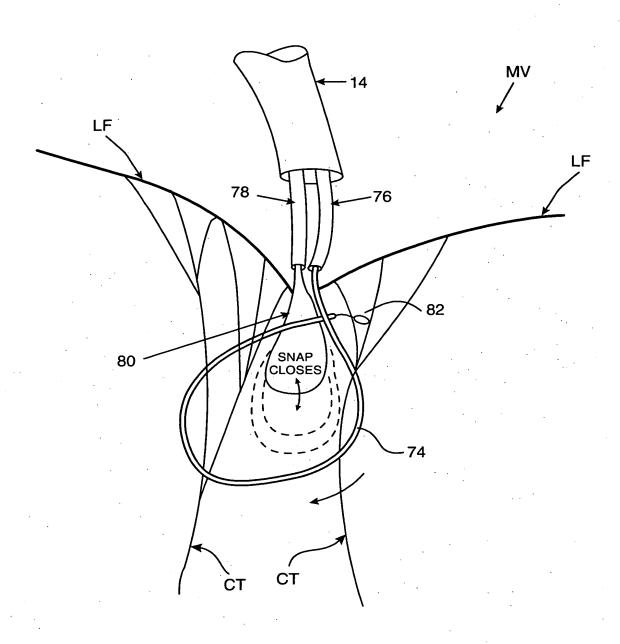


FIG. 33A

Matter No.: 17315-002002 Page 33 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

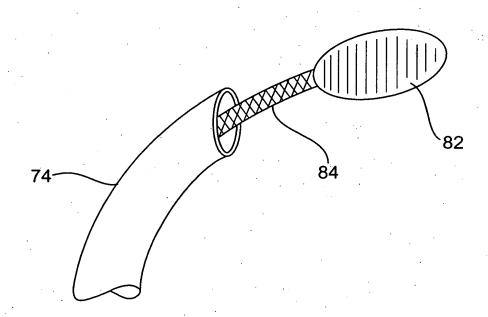


FIG. 33B

Matter No.: 17315-002002 Page 34 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

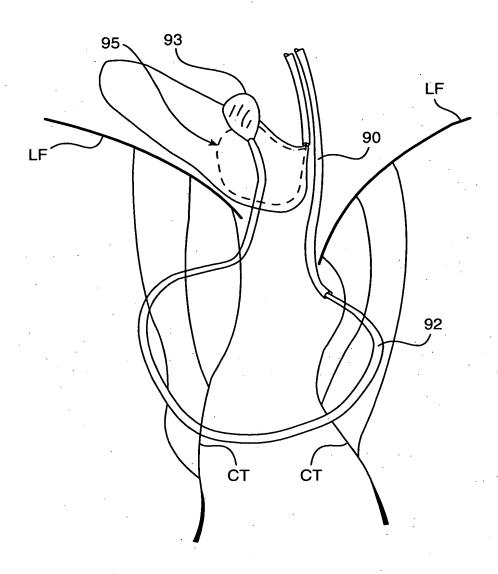
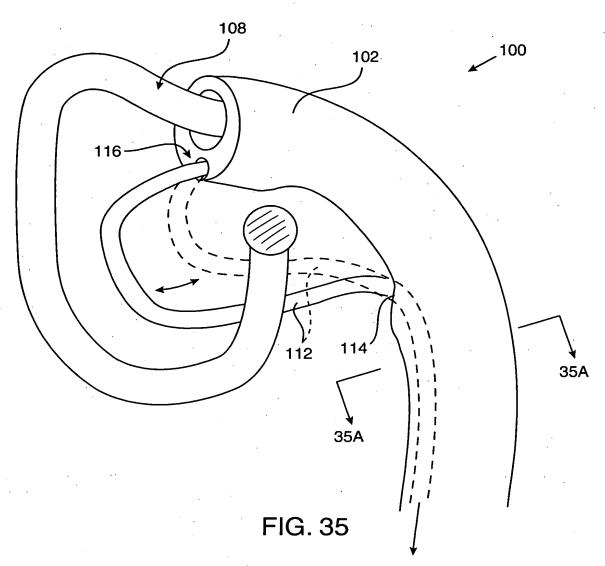


FIG. 34

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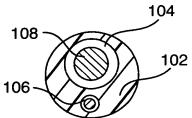


FIG. 35A

Matter No.: 17315-002002 Page 36 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

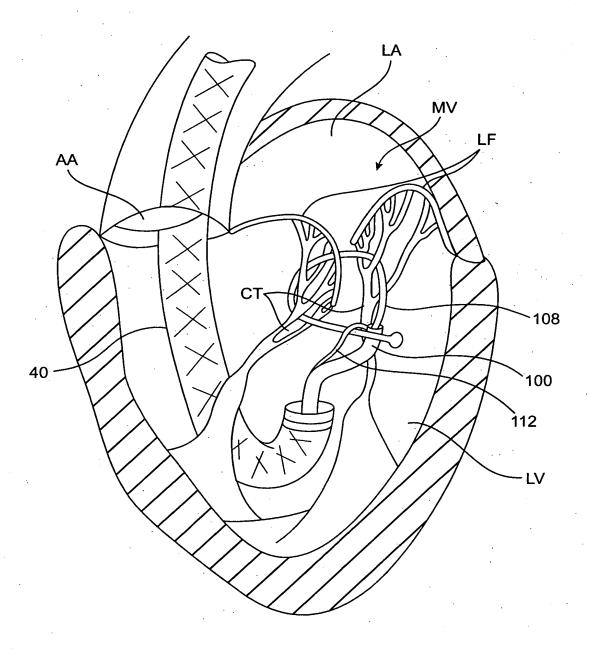


FIG. 36A

Matter No.: 17315-002002 Page 37 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

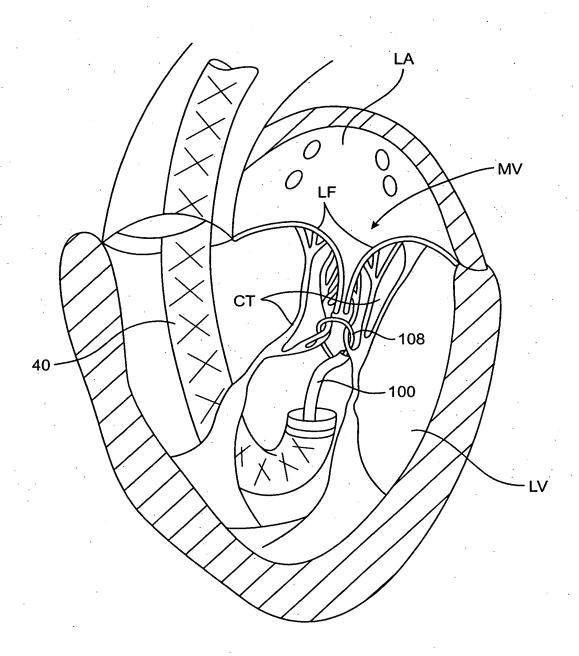


FIG. 36B

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Matter No.: 17315-002002 Page 38 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

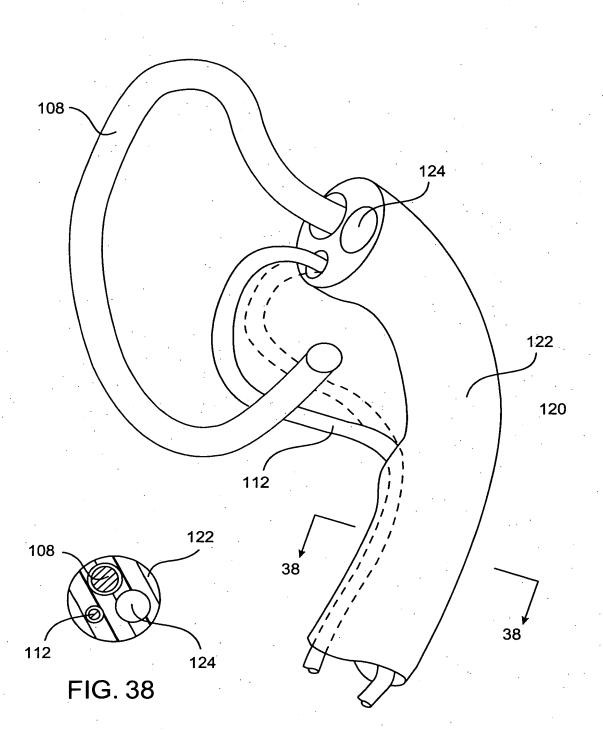
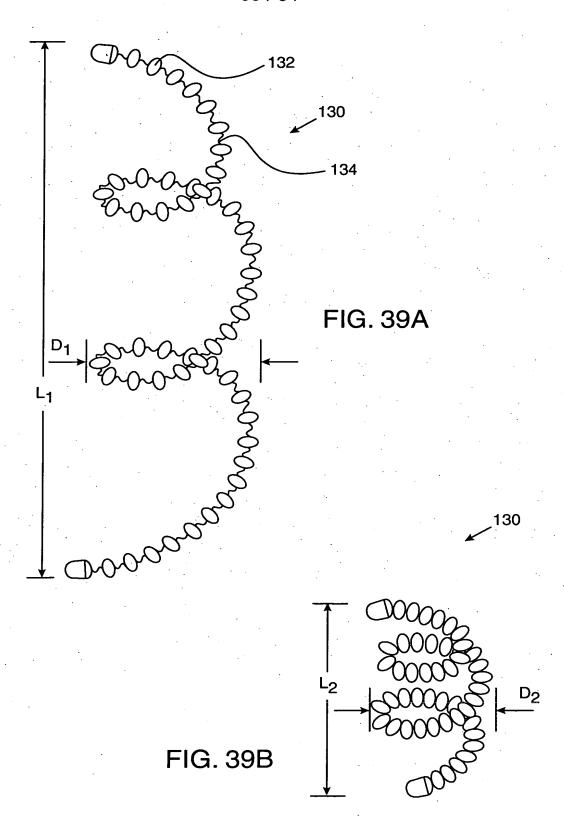


FIG. 37

Matter No.: 17315-002002 Page 39 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR



Matter No.: 17315-002002 Page 40 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

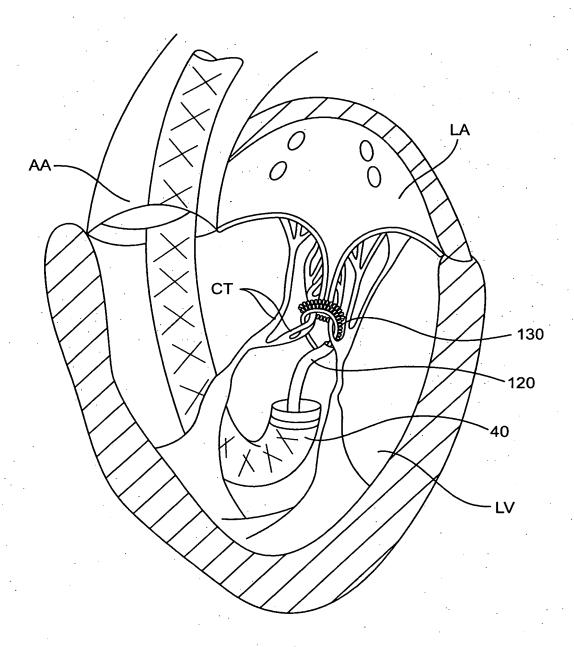


FIG. 40

Matter No.: 17315-002002 Page 41 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR



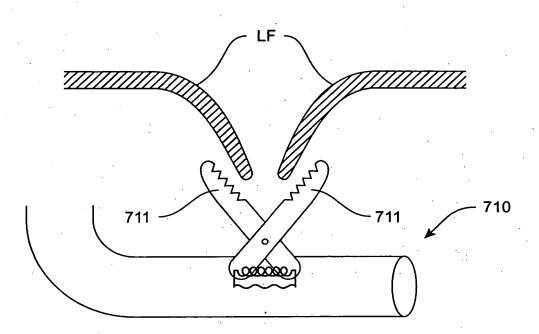


FIG. 41A

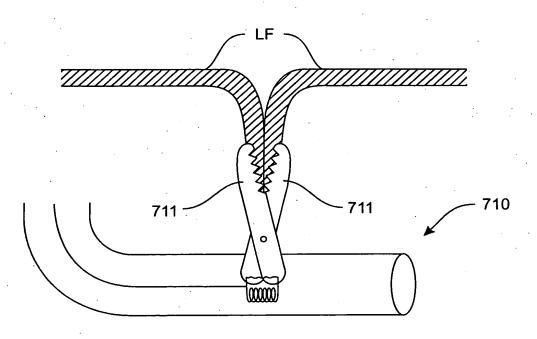


FIG. 41B

Matter No.: 17315-002002 Page 42 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

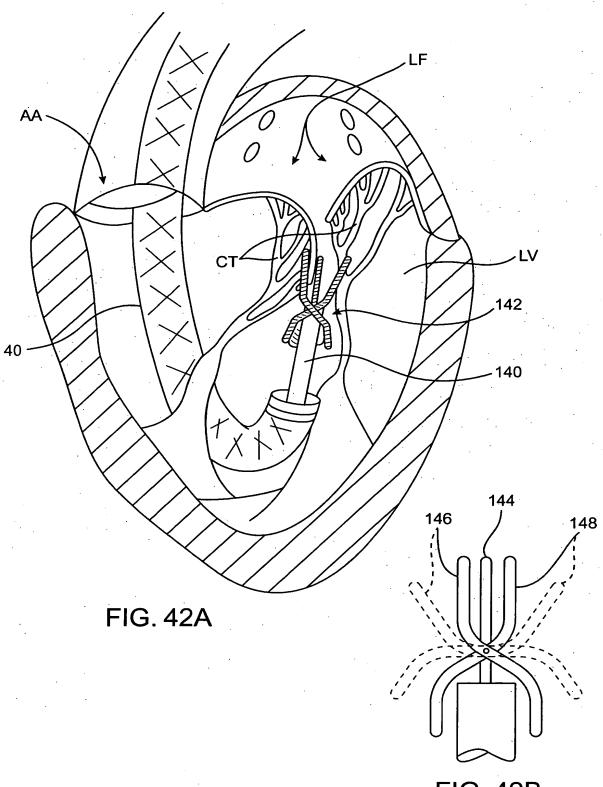


FIG. 42B

Matter No.: 17315-002002 Page 43 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

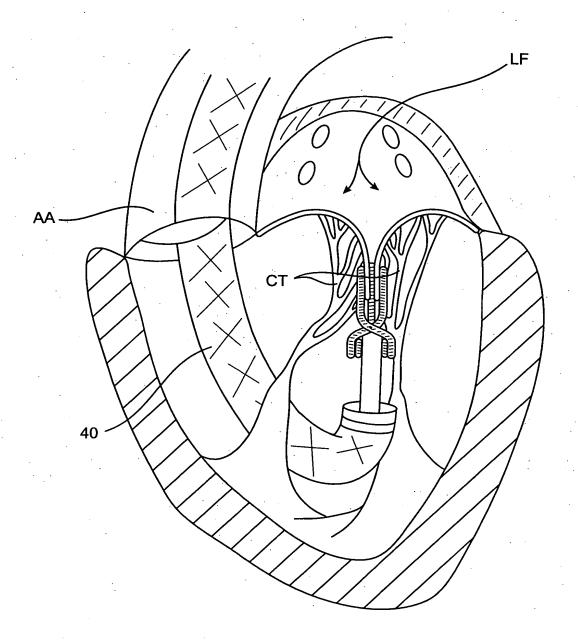
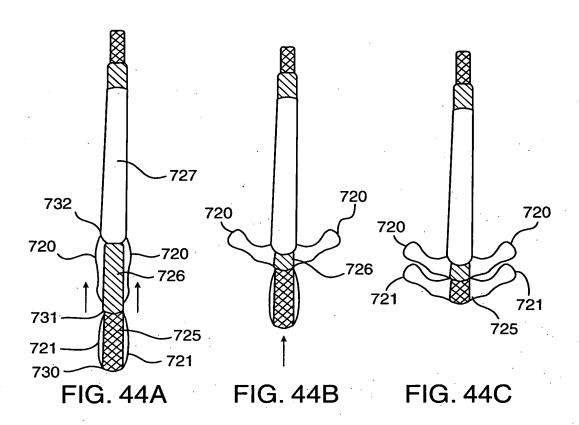


FIG. 43

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44 / 84



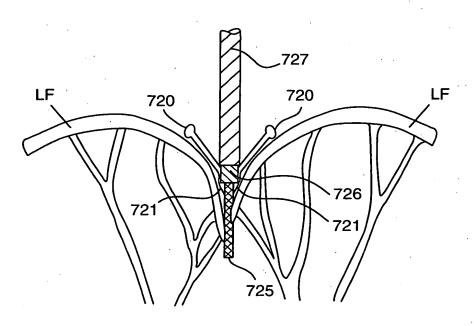


FIG. 44D

Matter No.: 17315-002002 Page 45 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

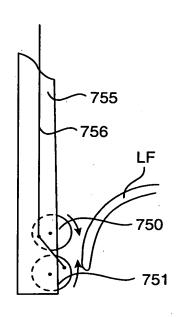


FIG. 45A

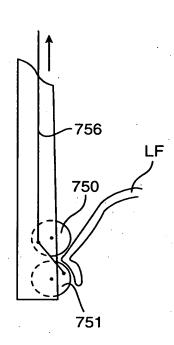


FIG. 45B

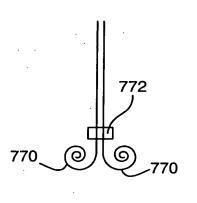


FIG. 46A

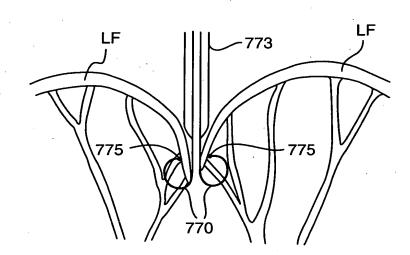


FIG. 46B

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Matter No.: 17315-002002 Page 46 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

46 / 84

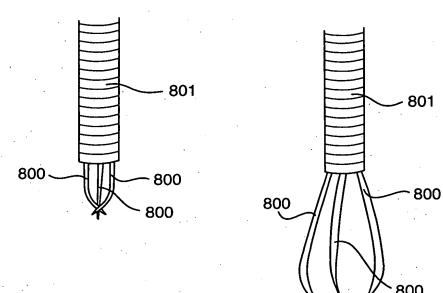


FIG. 47A

FIG. 47B

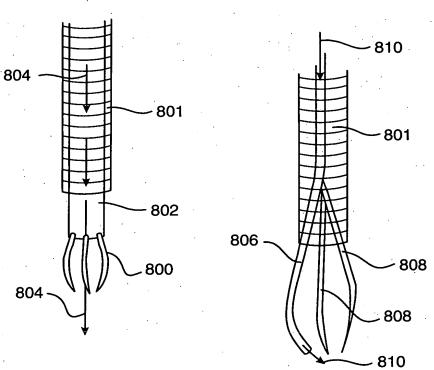


FIG. 47C

FIG. 47D

Matter No.: 17315-002002 Page 47 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

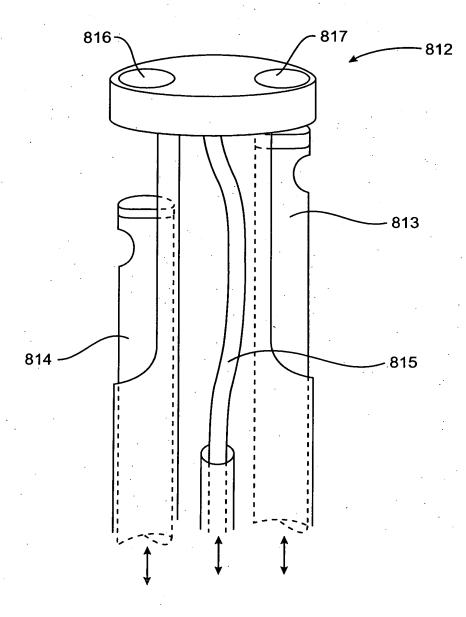


FIG. 48

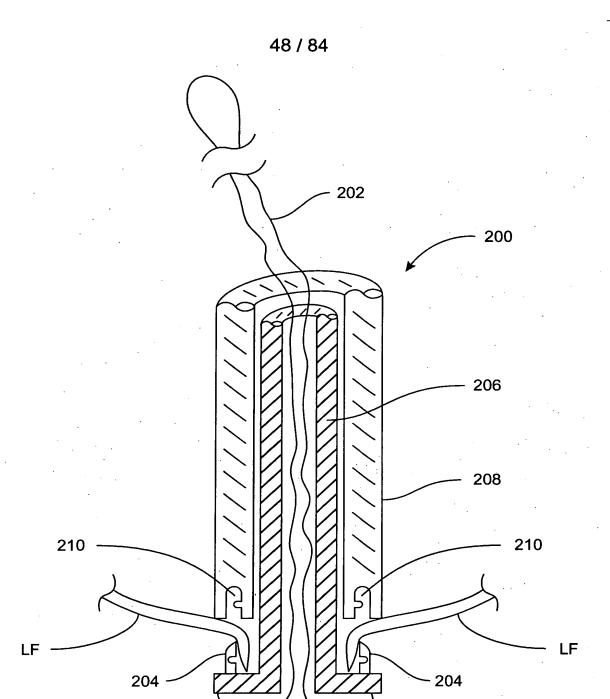
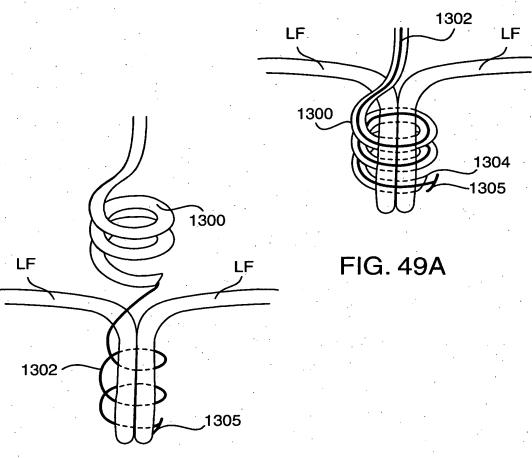


FIG. 49

Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR



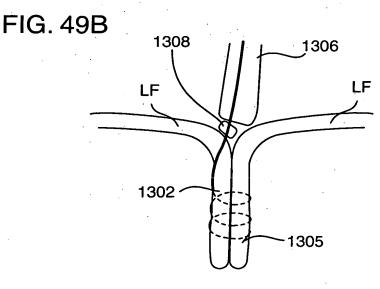


FIG. 49C

Matter No.: 17315-002002 Page 50 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

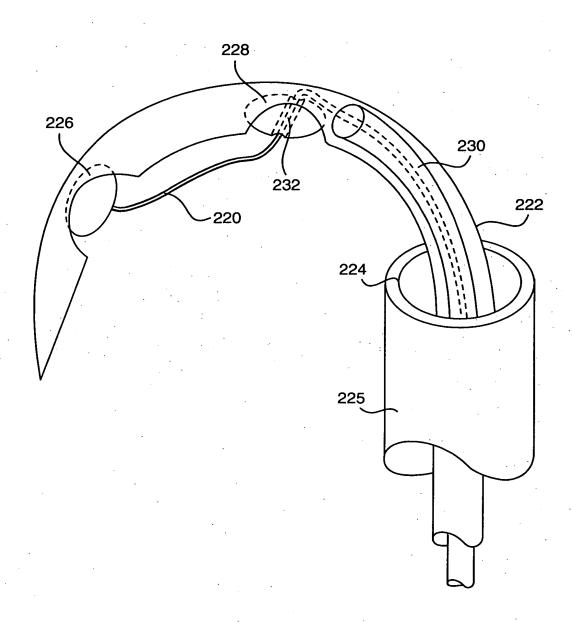


FIG. 50

Matter No.: 17315-002002 Page 51 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

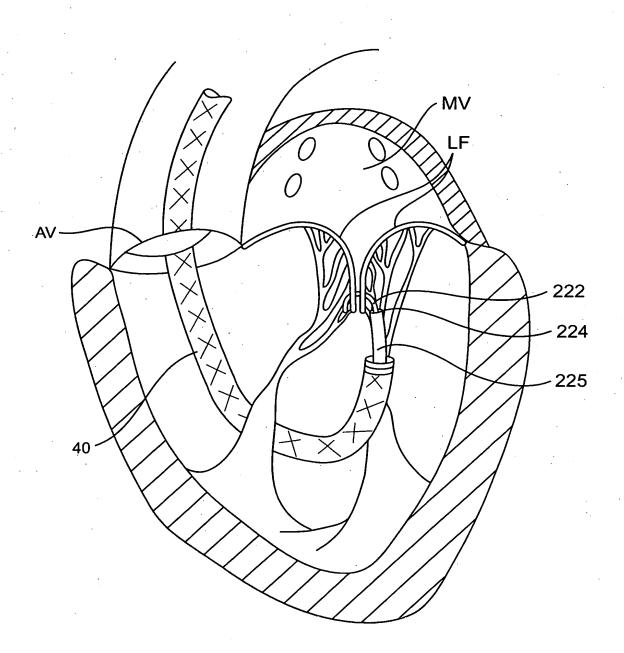


FIG. 51

Matter No.: 17315-002002 Page 52 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

52 / 84

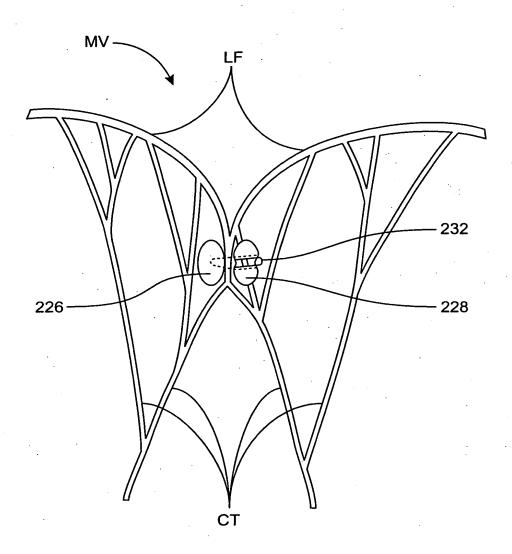
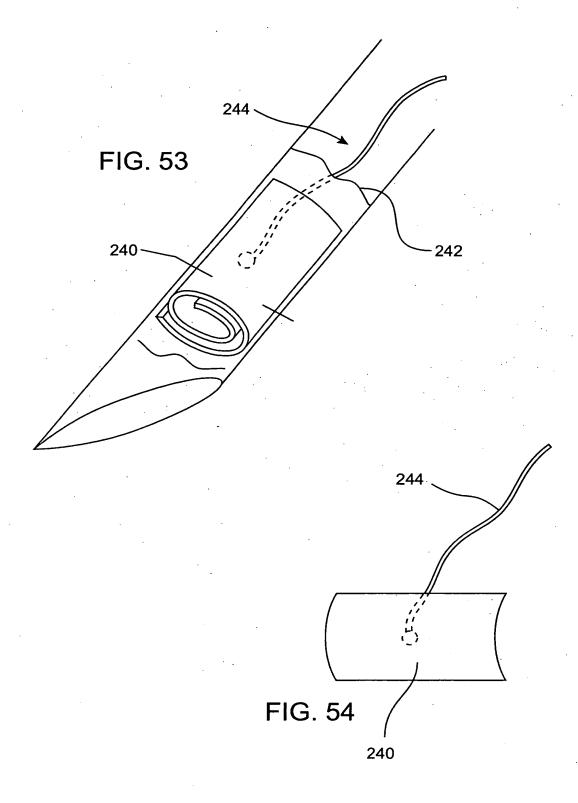


FIG. 52

Matter No.: 17315-002002 Page 53 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

53 / 84



54 / 84

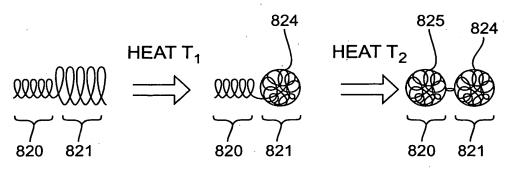
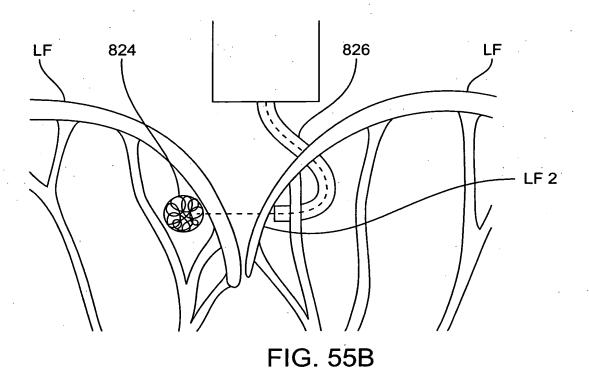
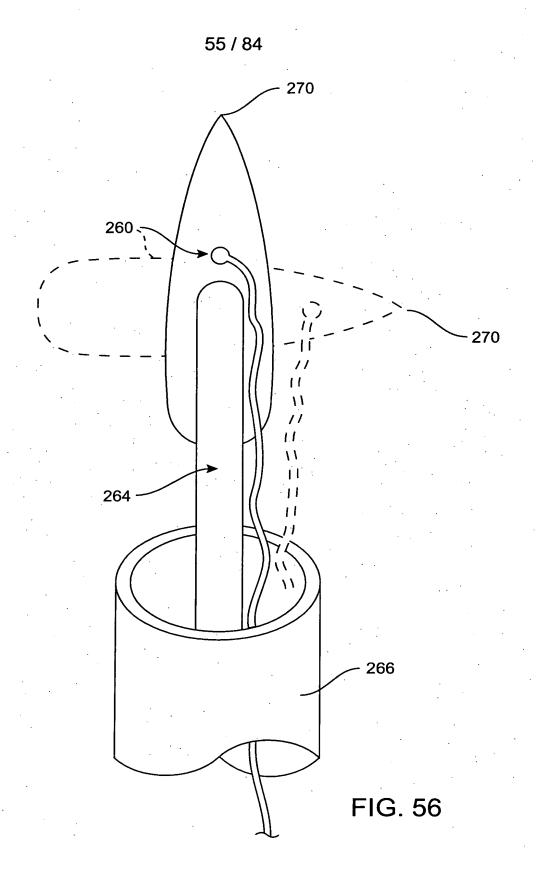


FIG. 55A



Matter No.: 17315-002002 Page 55 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR





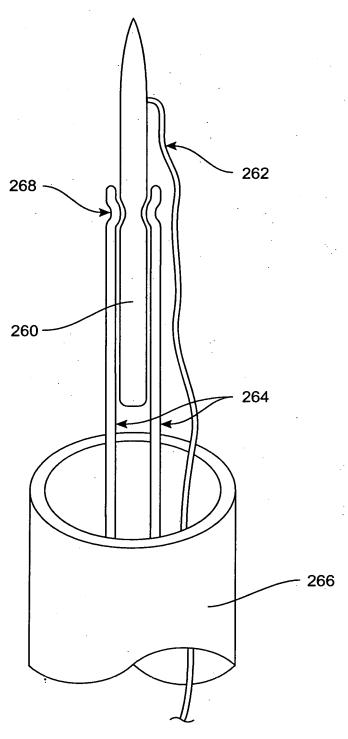


FIG. 57

Matter No.: 17315-002002 Page 57 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

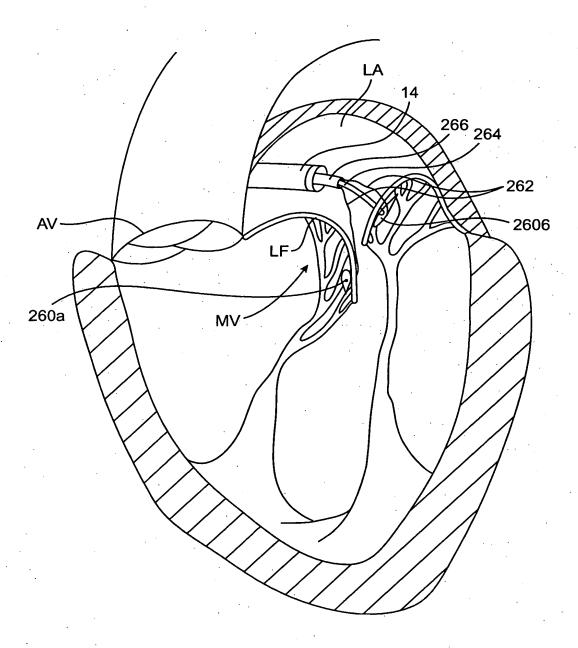


FIG. 58

Matter No.: 17315-002002 Page 58 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR



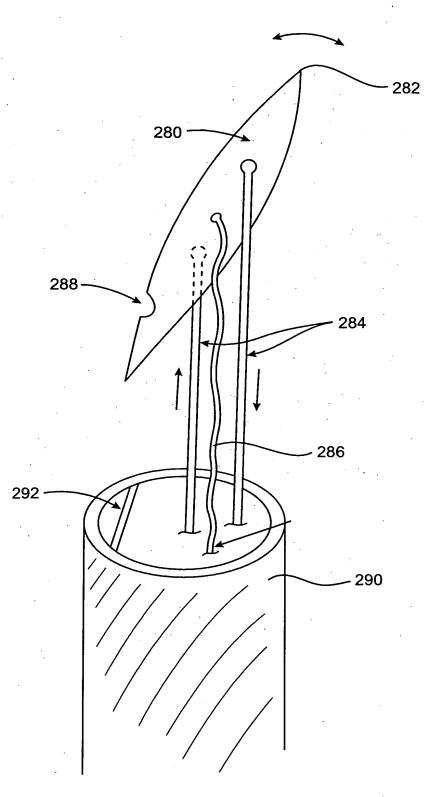


FIG. 59

Matter No.: 17315-002002 Page 59 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

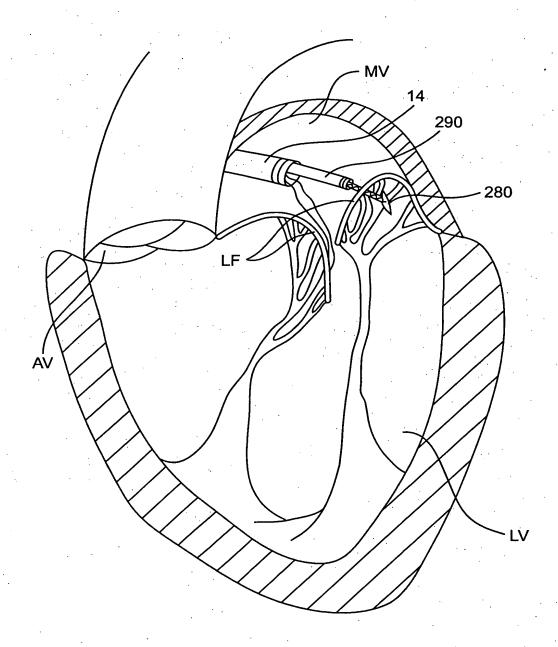


FIG. 60

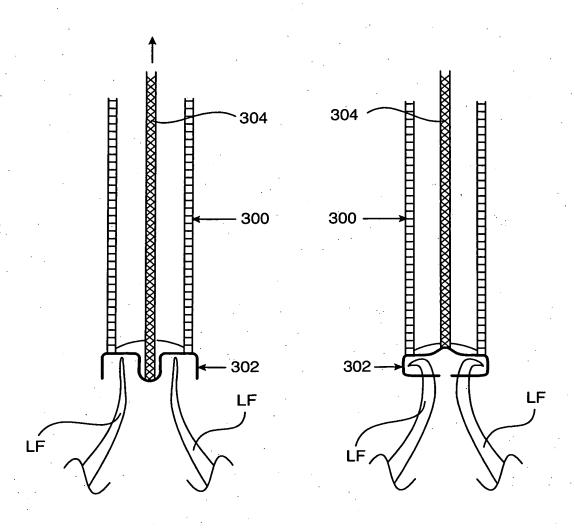


FIG. 61A

FIG. 61B

Page 61 of 84

Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

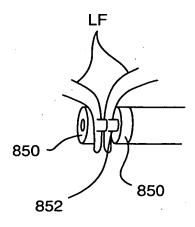


FIG. 62A

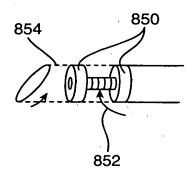


FIG. 62B

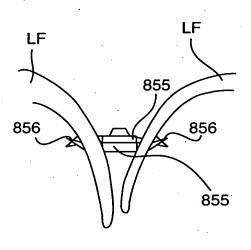


FIG. 62C

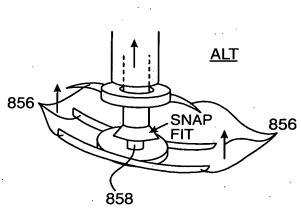


FIG. 62D

Matter No.: 17315-002002 Page 62 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

62 / 84

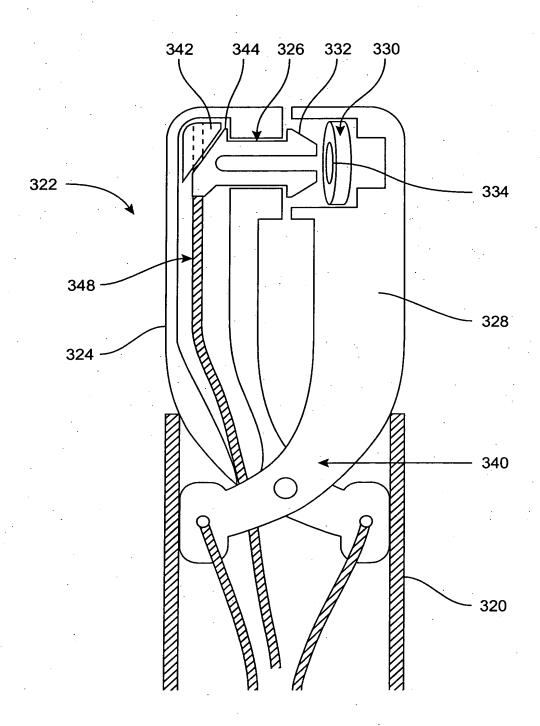


FIG. 63

Matter No.: 17315-002002 Page 63 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

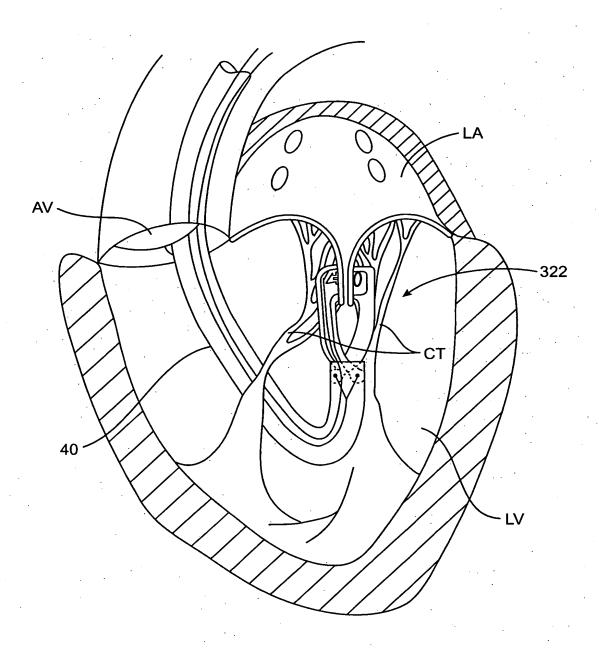


FIG. 64



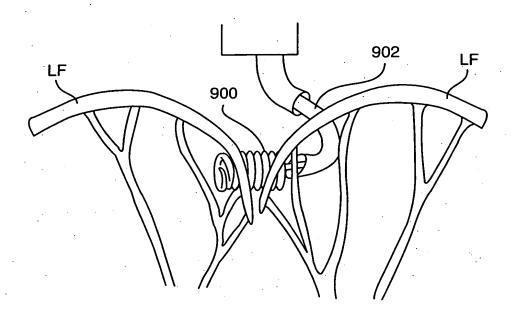


FIG. 65A

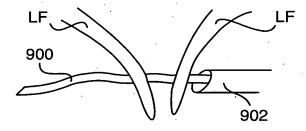


FIG. 65B

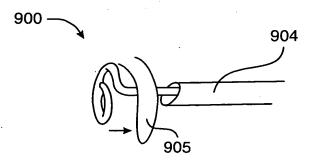


FIG. 65C

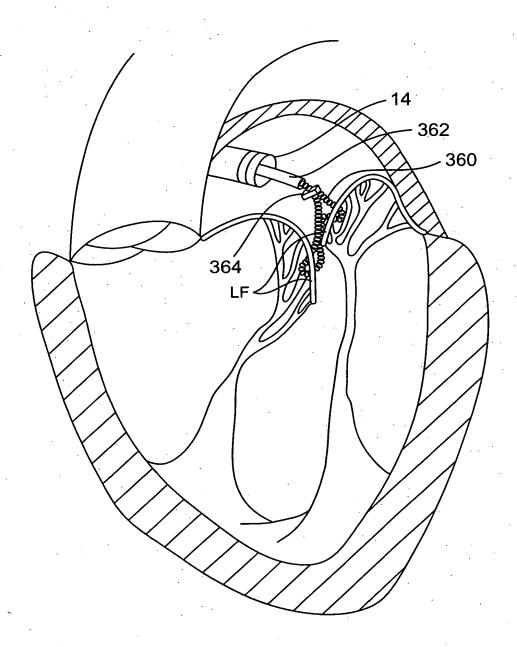


FIG. 66

Matter No.: 17315-002002 Page 66 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

66 / 84

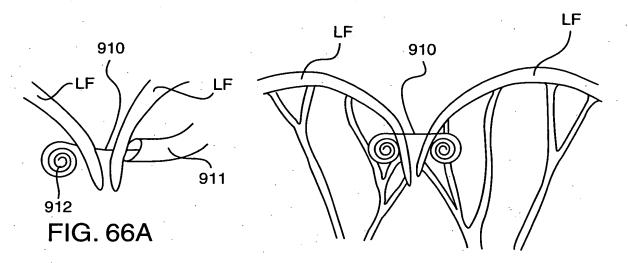


FIG. 66B

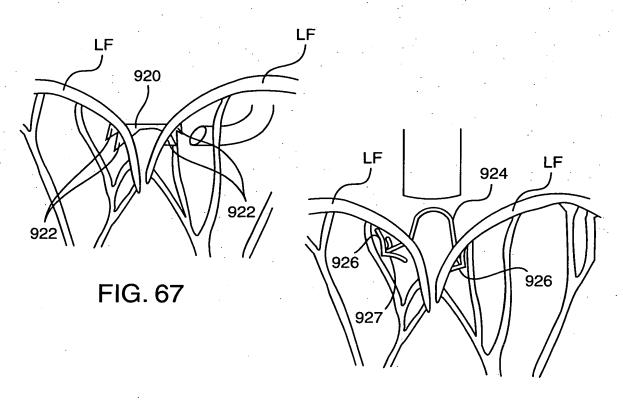


FIG. 68

67 / 84

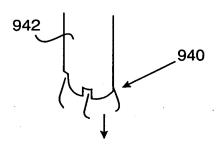


FIG. 69A

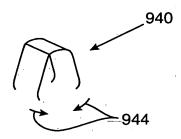
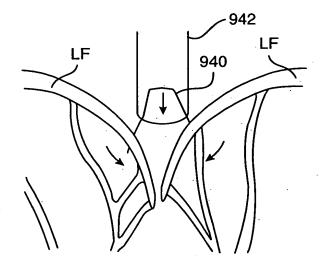


FIG. 69C



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FIG. 69B

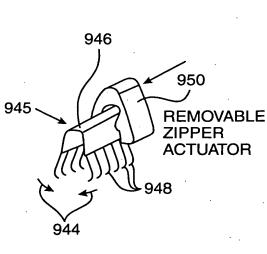


FIG. 70A

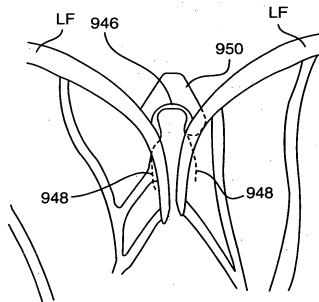


FIG. 70B

Matter No.: 17315-002002 Page 68 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

68 / 84

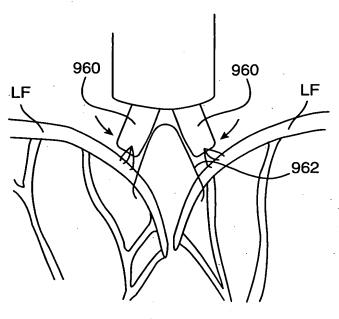


FIG. 71

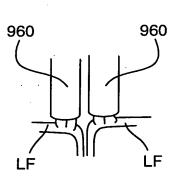
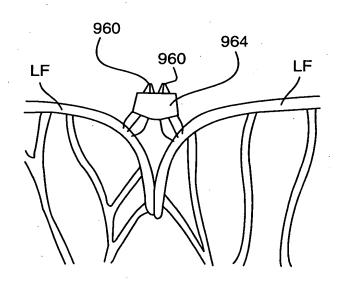


FIG. 72A

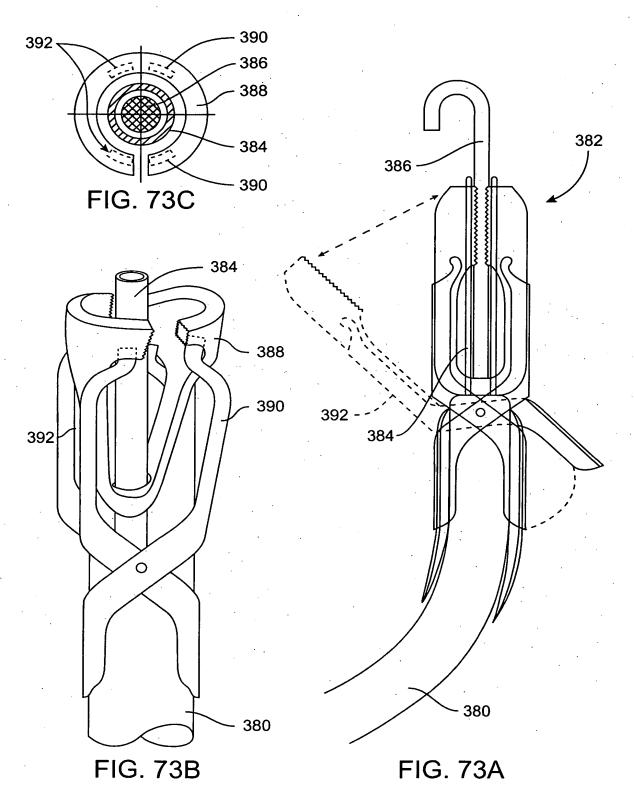


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FIG. 72B

Matter No.: 17315-002002 Page 69 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

69 / 84



Matter No.: 17315-002002 Page 70 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

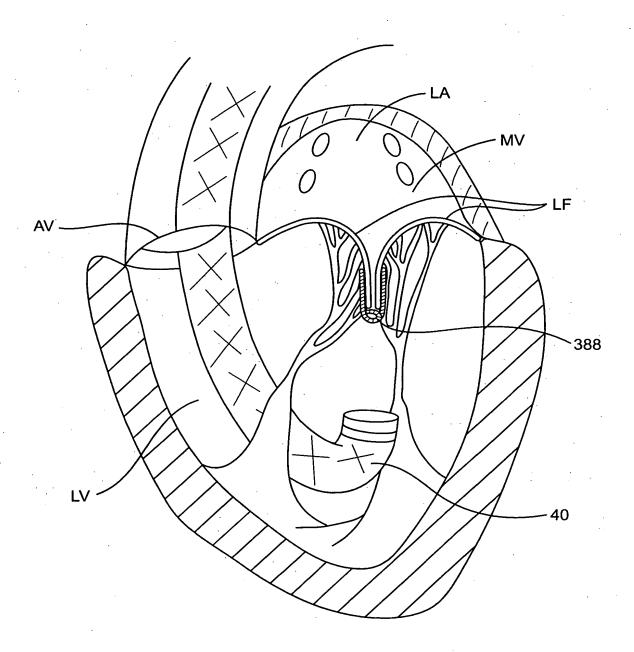


FIG. 74

Matter No.: 17315-002002 Page 71 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

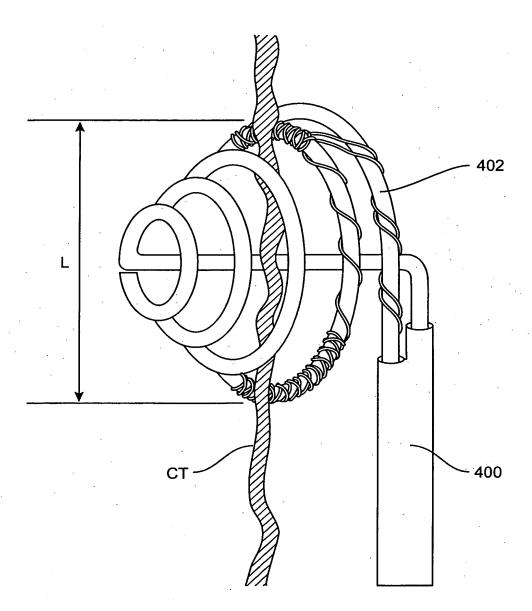


FIG. 75

Page 72 of 84

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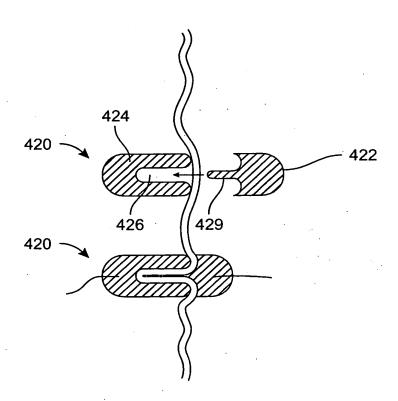
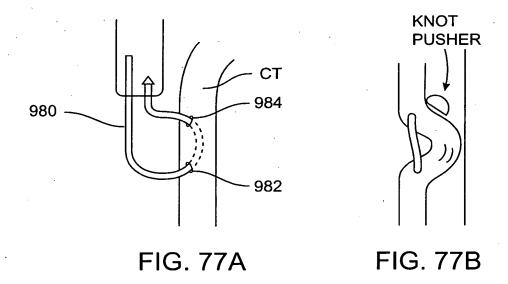


FIG. 76



Matter No.: 17315-002002 Page 73 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

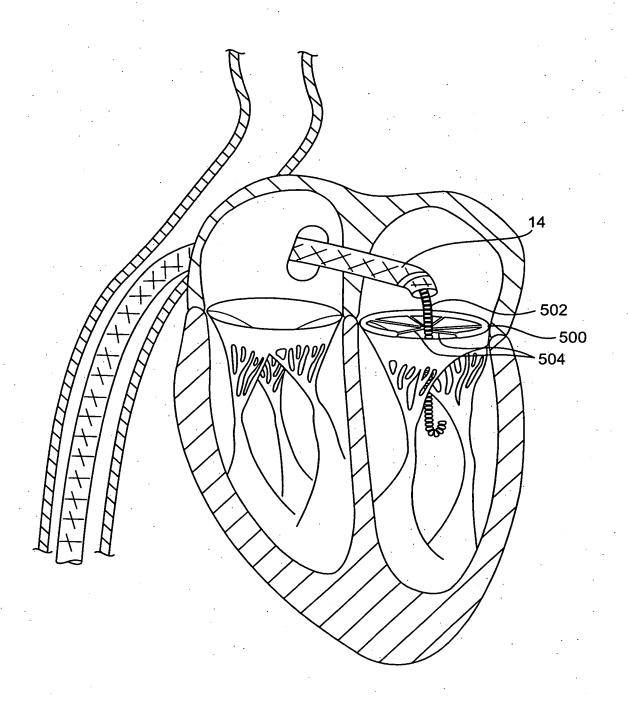
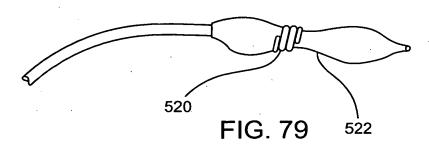


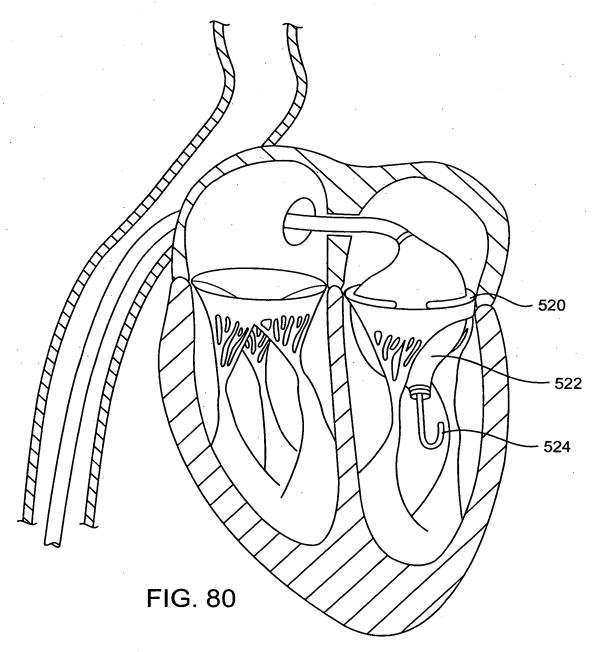
FIG. 78

Matter No.: 17315-002002 Page 74 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

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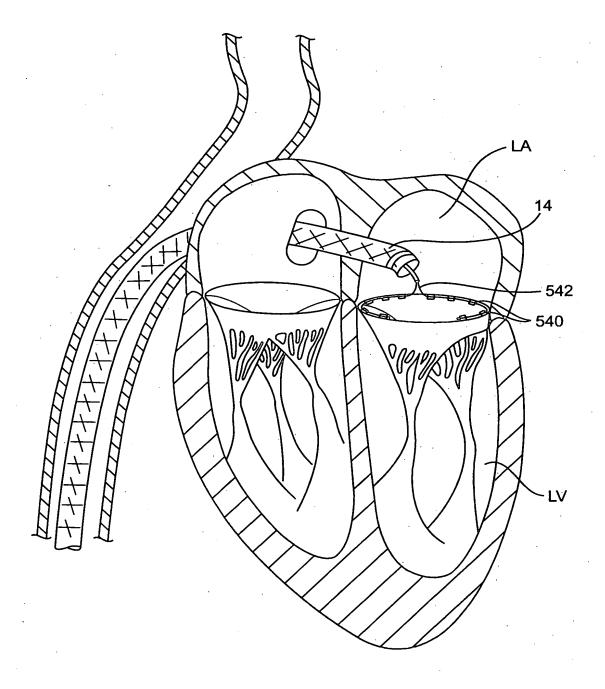


FIG. 81

Matter No.: 17315-002002 Page 76 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

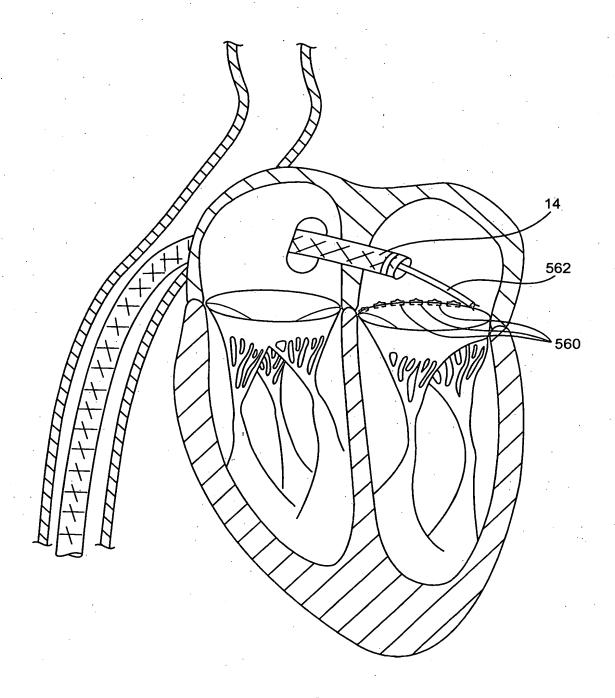
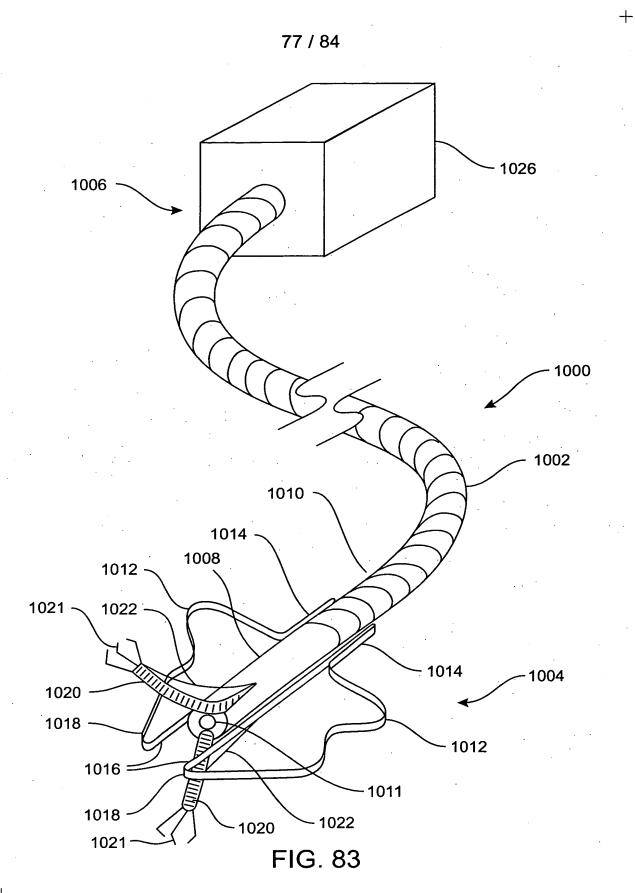


FIG. 82

Matter No.: 17315-002002 Page 77 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR



78 / 84

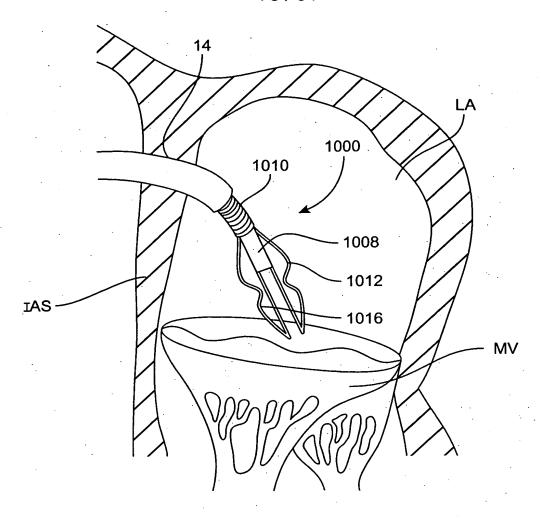


FIG. 84

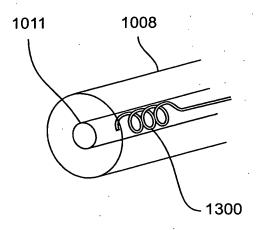


FIG. 84A

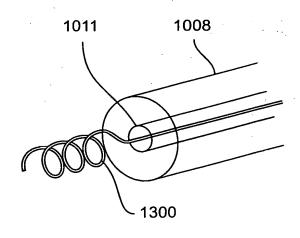


FIG. 84B

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Matter No.: 17315-002002 Page 79 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

79 / 84

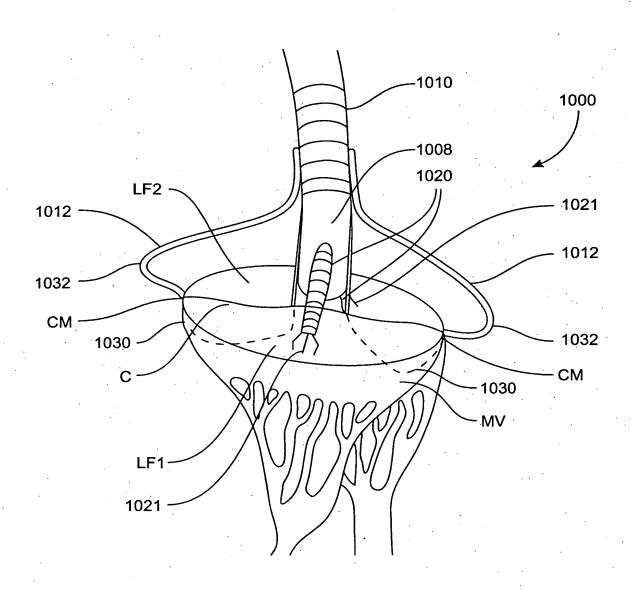
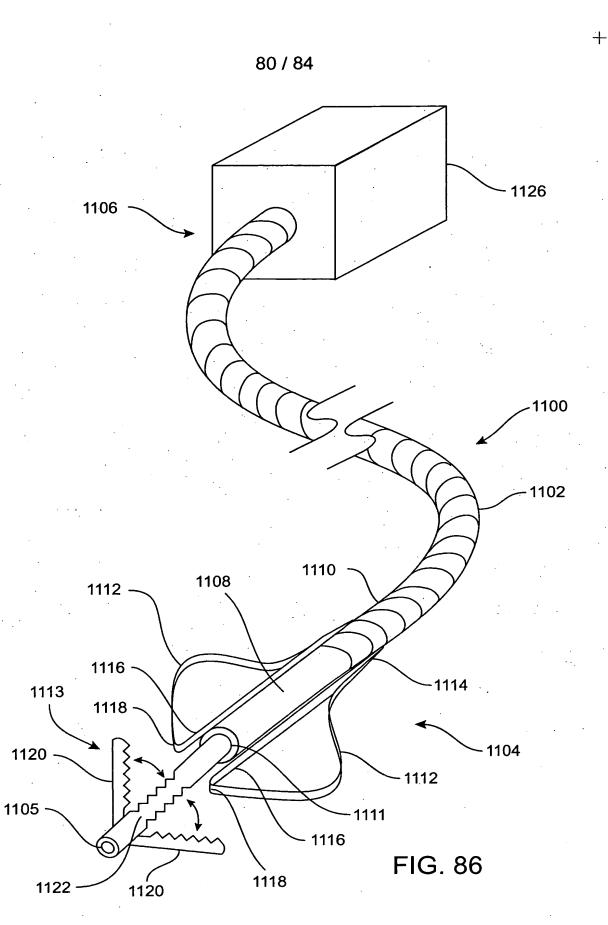


FIG. 85

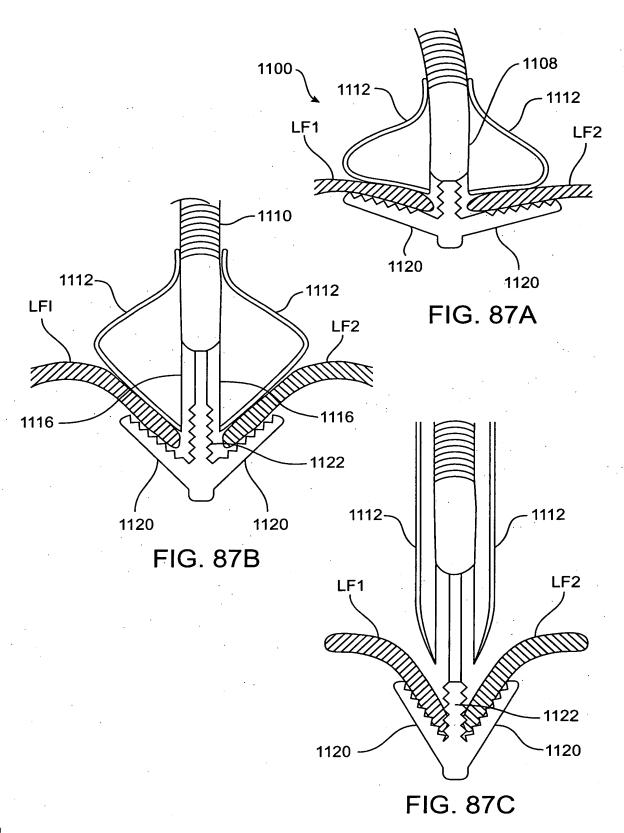
Matter No.: 17315-002002 Page 80 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR



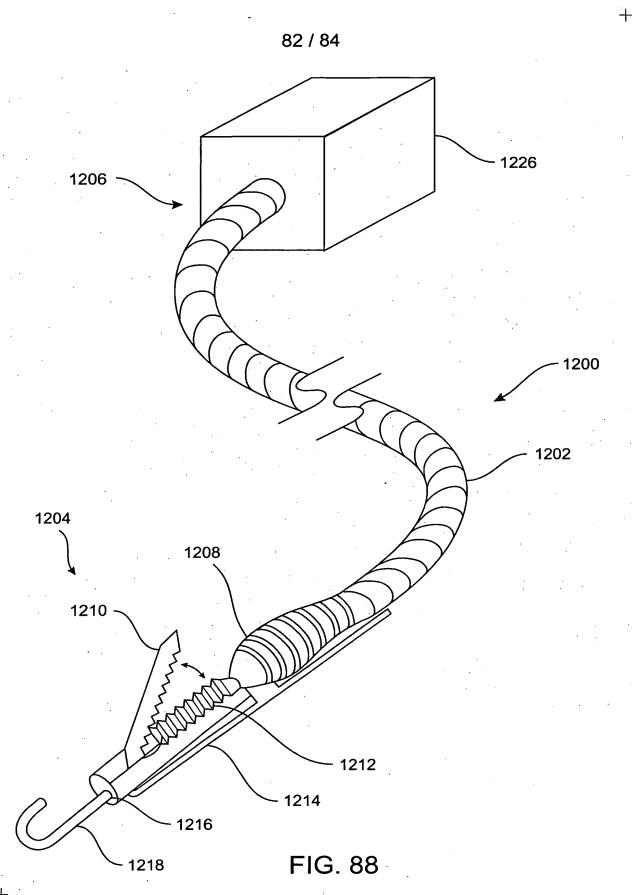
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Matter No.: 17315-002002 Applicant(s): Frederick G. St. Goar

METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR



Matter No.: 17315-002002 Page 82 of 84 Applicant(s): Frederick G. St. Goar METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR



Matter No.: 17315-002002 Page 83 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

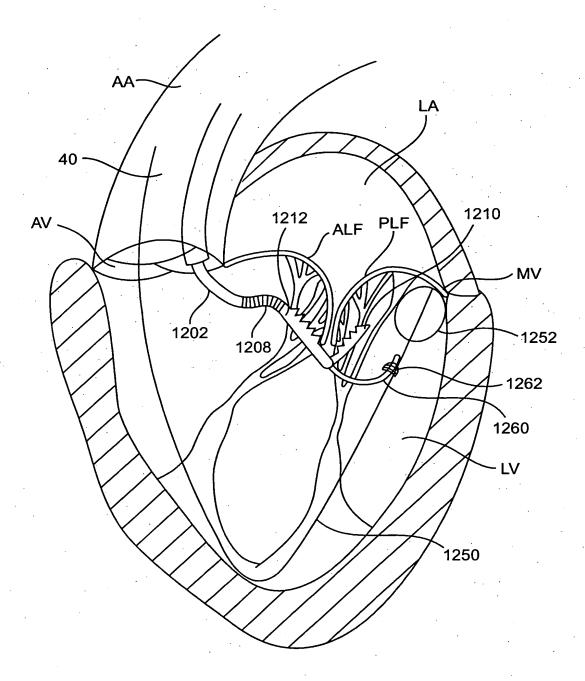


FIG. 89

Matter No.: 17315-002002 Page 84 of 84
Applicant(s): Frederick G. St. Goar
METHODS AND APPARATUS FOR CARDIAC VALUE REPAIR

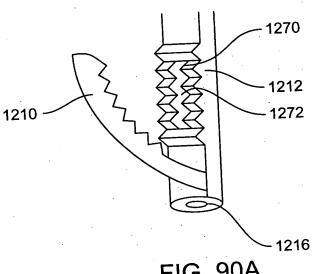


FIG. 90A

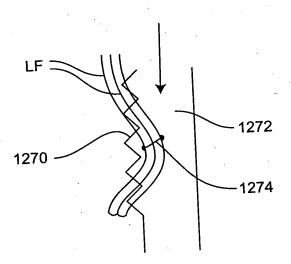


FIG. 90B